

## Shaodong Wang

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CONTACT INFORMATION	Nanjing University of Science and Technology School of Mathematics and Statistics 210094, Nanjing, China	18715161052 shaodong.wang@mail.mcgill.ca
EMPLOYMENT	<b>Nanjing University of Science and Technology</b> Associate Professor	2023.06-present
	<b>Shanghai Jiao Tong University</b> Wu Wen-Tsun Assistant Professor	2019.06-2023.05
EDUCATION	<b>McGill University</b> Ph.D. in Mathematics	2014.09-2019.05
	<ul style="list-style-type: none"><li>• Dissertation Topic: Compactness and noncompactness of Yamabe-type problems on manifolds with boundary</li><li>• Advisors: Pengfei Guan and Jérôme Vétois</li></ul>	
	<b>University of Science and Technology of China</b> B.S. in Mathematics	2010.09-2014.06
RESEARCH INTERESTS	<ul style="list-style-type: none"><li>• Non-linear partial differential equations</li><li>• Geometric Analysis</li></ul>	
PUBLICATIONS AND PREPRINTS	S. Almaraz and S. Wang, <i>A priori estimates for negative constant scalar curvature conformal metrics with positive constant boundary mean curvature</i> . Preprint.	
	C. Liu, S. Wang and R. Zhuo, <i>A priori estimates for anti-symmetric solutions to a fractional Laplacian equation in a bounded domain</i> . Preprint on arXiv:2308.02245.	
	S. Almaraz and S. Wang, <i>A compactness theorem for conformal metrics with constant scalar curvature and constant boundary mean curvature in dimension three</i> . Preprint on arXiv:2306.07088.	
	S. Almaraz and S. Wang, <i>Energy bounds of sign-changing solutions to Yamabe equations on manifolds with boundary</i> . Nonlinear Anal. 225 (2022), Paper No. 113131.	
	C. Liu and S. Wang, <i>A necessary condition for prescribing mean curvature equations in <math>\mathbb{B}^n</math></i> . Proc. Amer. Math. Soc. 150 (2022), no. 11, 4831–4839.	
	S. Almaraz, O. Queiroz and S. Wang, <i>A compactness theorem for scalar-flat metrics on 3-manifolds with boundary</i> . J. Funct. Anal. 277 (2019), no. 7, 2092–2116.	
	J. Vétois and S. Wang, <i>Infinitely many solutions for cubic nonlinear Schrödinger equations in dimension four</i> . Adv. Nonlinear Anal. 8 (2019), no. 1, 715–724.	
	S. Wang, <i>Infinitely many blowing-up solutions for Yamabe-type problems on manifolds with boundary</i> . Commun. Pure Appl. Anal. 17 (2018), no. 1, 209–230.	

ACADEMIC  
ACTIVITIES

**Invited Talks**

- *Workshop on Nonlinear PDEs XX*, Shanghai Jiao Tong University January 2024
- *CUHK/CUNY Compactness and Scalar Curvature Workshop*, CUHK/CUNY (Online) July 2023
- *International Conference on PDEs and Geometric Analysis*, Shanghai Jiao Tong University (Online) June 2022
- *PDE Seminar*, Chinese Academy of Sciences (Online) May 2022
- *Mathematics Seminar*, Wuhan University of Technology (Online) November 2021
- *International Conference on Geometric Analysis and PDEs*, Shanghai Jiao Tong University July 2021
- *Workshop on Nonlinear PDEs XI*, Shanghai Jiao Tong University March 2021
- *Nonlinear Evolutionary PDEs: Theories and Applications*, Shanghai Jiao Tong University (Online) December 2020
- *Workshop on Geometric Analysis*, Tongji University October 2019
- *Conference on Elliptic PDEs*, Fudan University November 2019
- *Geometric Analysis Seminar*, Nanjing University June 2019
- *Workshop on Nonlinear PDEs VII*, Shanghai Jiao Tong University June 2019
- *Differential Geometry Seminar*, University of Federal Fluminense October 2017
- *PDE Seminar*, University of Science and Technology of China June 2017
- *Geometric Analysis Seminar*, McGill University April 2017

**International Conferences Attended**

- *26th Southern California Geometric Analysis Seminar*, University of California, San Diego, USA January 2019
- *Workshop in Geometric Analysis*, CRM, Montreal, Canada March 2018
- *25th Southern California Geometric Analysis Seminar*, University of California, Irvine, USA January 2018
- *The Second Mathematical Congress of the American*, Montreal, Canada July 2017
- *Summer School on Geometric Analysis*, Fields Institute, Toronto, Canada July 2017
- *Nirenberg Lecture Series in Geometric Analysis*, CRM, Montreal, Canada March 2016

RESEARCH GRANTS

- National Natural Science Foundation of China (NSFC) No.12001364 2021-2023
- Shanghai Postdoctoral Excellence Program 2019-2020

HONORS AND  
AWARDS

**At Shanghai Jiao Tong University**

- Wu Wen-Tsun Postdoctoral Excellence Award 2021
- Chenxing Postdoctoral Excellence Program 2020

**At McGill University**

- ISM Scholarship for outstanding PhD candidates 2019

TEACHING  
EXPERIENCE

**At Shanghai Jiao Tong University**

- MA247 Basic Calculus, Instructor
- MA247 Basic Calculus, Instructor

Fall 2020

Fall 2019

**At McGill University**

- Teaching Assistant

2015-2017